

Department of Mathematics
Boyd Graduate Studies Building
University of Georgia
Athens, GA 30602

Office Phone: (706) 542-2618
Home Phone: (706) 614-9699
E-mail: cwright@math.uga.edu
Website: <http://www.math.uga.edu/~cwright>

Born: February 6, 1980 in New Orleans, LA
Citizenship: United States

EDUCATION

- May 2002 Rhodes College, Memphis, TN
Bachelor of Arts in Mathematics
- May 2005 University of Georgia, Athens, GA
Master of Arts in Mathematics
- May 2008 University of Georgia, Athens, GA
Ph.D. in Mathematics (Expected)
Thesis: Second Cohomology Groups of Frobenius Kernels
Thesis Advisor: Daniel K. Nakano

RESEARCH EXPERIENCE

- 2002-2003 VIGRE Research Group on Alperin's Weight Conjecture
Advisor: David Hemmer
- 2004 VIGRE Research Group on Conjugacy Classes via Cohomology
and Representation Theory
Advisors: David Benson, Brian Boe, and Daniel Nakano
- 2004-2005 VIGRE Research Group on Support Varieties for Symmetric Groups
and Lie Algebras
Advisors: David Benson, Brian Boe, and Daniel Nakano
- 2005-present VIGRE Research Group on Lie Algebra Cohomology
Advisors: Brian Boe, Leonard Chastkofsky, and Daniel Nakano

PUBLICATIONS

1. Varieties of nilpotent elements for simple Lie algebras II: Bad Primes (with UGA VIGRE Algebra group), *J. Algebra (computational algebra section)*, 292, (2005), 65-99
2. Support varieties for Weyl modules for bad primes (with UGA VIGRE Algebra group), *J. Algebra*, 312, (2007), 602-633
3. On Kostant's theorem for Lie algebra cohomology (with UGA VIGRE Algebra group), in preparation

4. Second cohomology groups for Frobenius kernels, in preparation

CONFERENCE TALKS

- 2007 Second Cohomology Groups of Frobenius Kernels,
AMS Sectional Meeting, Murfreesboro, TN
- 2007 Cohomology for Algebraic Groups and Lie algebras
(with Brian Boe and Bobbe Cooper)
American Institute of Mathematics

SEMINAR TALKS

- 2002 The Registrar's Problem
Senior Talk, Rhodes College
- 2003 Representation Theory and the Symmetric Group
VIGRE Seminar, University of Georgia
- 2003 Extensions of the Hill Cipher
Graduate Student Seminar, University of Georgia
- 2005 Computations in Algebra
University of Georgia Graduate Information Day
- 2005 Conway Polynomials and Finite Fields
VIGRE Seminar, University of Georgia
- 2005 Cohen Macaulay and Gorenstein Rings
Graduate Student Seminar, University of Georgia
- 2006 First Cohomology Groups for Classical Lie Algebras
Oral Exam Presentation, University of Georgia
- 2006 Latin Squares and Sudoku Puzzles
Graduate Student Seminar, University of Georgia
- 2007 The Singled Out Problem
VIGRE Seminar, University of Georgia
- 2007 Second Cohomology Groups of Frobenius Kernels
UGA Algebra Seminar

PROFESSIONAL ORGANIZATIONS, ACTIVITIES, AND AWARDS

- 2002-present Member of American Women in Mathematics
- 2002-present Member of American Mathematical Society
- 2002-2007 VIGRE Fellowship Assistantship, University of Georgia
- 2003-present Teaching Assistantship, University of Georgia
- 2004 EDGE Symposium (for women in Mathematics), Atlanta, GA
- 2005 MAA/AMS Joint National Meeting in Atlanta, GA
- 20005 Summer School in Commutative Algebra, Snowbird, UT
(Local Cohomology and its Applications)
- 2007 MAA/AMS Joint National Meeting in New Orleans, LA
- 2007 MAA/AMS Sectional Meeting in Davidson, NC
- 2007 MAA/AMS Sectional Meeting in Murfreesboro, TN
- 2007 American Institute of Mathematics Workshop, Palo Alto, CA
(Cohomology and Representation Theory)
- 2007 MAA/AMS Sectional Meeting in Murfreesboro, TN

MATHEMATICS INSTRUCTIONAL EXPERIENCE

- 2001-2002 Rhodes College Department Tutoring
- 2003 University of Georgia Department Tutoring
- 2003 Pre-Calculus
- primary instructor for this course
 - made syllabus, assigned and graded homework and quizzes assigned grades
 - departmental tests on computer
- 2003-2004 Differential Calculus Lab
- 2 sections
 - assigned and graded Calculus projects using Maple
- 2004-2005 Differential Calculus
- 2 sections
 - primary instructor for this course: assigned and graded homework, created quizzes and tests, assigned grades
- 2005-2006 University of Georgia Writing Intensive Program Teaching Assistant
- 3 courses: Arithmetic for Middle School Teachers, Geometry for Elementary Teachers, and Geometry for Middle School Teachers

- graded homeworks and held office hours

- 2006-2007 Arithmetic and Problem Solving for Elementary Teachers
- 2 sections
 - primary instructor: assigned and graded homework, created and graded quizzes and tests
- 2008 Geometry for Elementary Teachers

Service and Extracurricular Activities

- 2003 Co-organizer of University of Georgia Summer Graduate Student Seminar
- 2003-present St. Gregory the Great Episcopal Church choir
- 2004-2006 Nominating Committee, St. Gregory the Great Episcopal Church
(committee to hire a new rector)
- 2006 Mission Trip to Juarez, Mexico
- 2006-2007 DYVE (Discerning Young Vocations Experience) Participant,
Episcopal Diocese of Atlanta
- 2006-present Youth Group Leader, St. Gregory the Great Episcopal Church
- 2007 Group Leader of Hurricane Relief Work in New Orleans, LA

REFERENCES

- Brian D. Boe Department of Mathematics, Boyd Graduate Studies Building,
University of Georgia, Athens, GA 30602
e-mail: brian@math.uga.edu *Phone:* (706) 542-2547
- William Graham Department of Mathematics, Boyd Graduate Studies Building,
University of Georgia, Athens, GA 30602
e-mail: wag@math.uga.edu *Phone:* (706) 542-2560
- Daniel K. Nakano Department of Mathematics, Boyd Graduate Studies Building,
University of Georgia, Athens, GA 30602
e-mail: nakano@math.uga.edu *Phone:* (706) 542-2643
- Edward Azoff Department of Mathematics, Boyd Graduate Studies Building,
(teaching) University of Georgia, Athens, GA 30602
e-mail: azoff@math.uga.edu *Phone:* (706) 542-2608
- Sybilla Beckmann-Kazez Department of Mathematics, Boyd Graduate Studies Building,
(teaching) University of Georgia, Athens, GA 30602
e-mail: sybilla@math.uga.edu *Phone:* (706) 542-2548